

## Summary of Detections Above a Drinking Water Standard

### GAMA Domestic Well Project - Tulare County Focus Area (2006)

Total Number of Wells Sampled: 181

Chemical Constituent of Concern	Wells Above Public Drinking Water Standards		Range of Detections Above Public Drinking Water Standards	Public Drinking Water Standards		
	Number	Percent		MCL	SMCL	NL
Bacteria Indicators						
Total Coliform	60	33%	NA	Present		
Fecal Coliform	13	7%	NA	Present		
Metals						
Aluminum	2	1%	275 - 450 µg/L		200 µg/L	
Arsenic	2	2%	10.4 - 14 µg/L	10 µg/L		
Beryllium	1	<1%	113 µg/L	4 µg/L		
Boron	1	<1%	48.4 mg/L			1 mg/L
Chromium	2	1%	76.7 - 91.9 µg/L	50 µg/L		
Iron	2	1%	608 - 650 µg/L		300 µg/L	
Manganese	2	1%	93.5 - 172 µg/L		50 µg/L	
Nickel	3	2%	121 - 213 µg/L	100 µg/L		
Thallium	6	3%	2.11 - 7.32 µg/L	2 µg/L		
Vanadium	14	8%	50.1 - 42.9 µg/L			50 µg/L
Zinc	1	<1%	17.3 mg/L		5 mg/L	
Major Ions & General Chemistry						
Nitrate (as N)	72	40%	10.1 - 54 mg/L	10 mg/L		
Nitrite (as N)	4	2%	1.52 - 4.08 mg/L	10 mg/L		
Perchlorate	2 (of 30 tested)	6%	7.9 - 13 µg/L	6 µg/L		
Total Dissolved Solids	4	2%	1,002 - 1,052 mg/L		1,000 mg/L	
Specific Conductance	4	2%	1,820 - 2,060 µmhos/cm		1,600 µmhos/cm	

**Summary of Detections Above a Drinking Water Standard(cont.)**  
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Chemical Constituent of Concern	Above Public Drinking Water Standards		Range of Detections Above Public Drinking Water Standards	Public Drinking Water Standard		
	Number	Percent		MCL	SMCL	NL
Organic Compounds (Pesticides and VOCs)						
1,2-Dibromo 3-chloropropane (DBCP)	8	4%	0.221 - 2.83 µg/L	0.2 µg/L		
1,2,3-Trichloropropane	1	<1%	0.8			0.005 µg/L
Radionuclides						
Gross Alpha	3 (of 13 tested)	23%	15.1 - 602 pCi/L	15 pCi/L		
Radium 226+228	1 (of 13 tested)	8%	5.1 pCi/L	5 pCi/L		
Uranium	1 (of 13 tested)	8%	228 pCi/L	20 pCi/L		
Notes: California Department of Public Health (CDPH) Public Drinking Water Standards used for comparison purposes only. Domestic well water quality in California is not regulated. MCL = CDPH Primary Maximum Contaminant Level; SMCL = CDPH Secondary Maximum Contaminant Level; NL = CDPH Notification Level NA = Coliform are evaluated on a presence/absence criteria. No range can be determined. µg/L = micrograms per liter; mg/L = milligrams per liter; µmhos/cm = micromhos per centimeter; pCi/L = picocuries per liter VOCs = volatile organic compounds						